

AFFILIATIONS:

U.S. Geological Survey
Reston, Virginia 20192

Vermont Agency of Natural Resources,
Vermont Geological Survey,
Waterbury, Vermont 05671

by N.M. Ratcliffe¹ 1996 Explanation of Map Symbols

Outcrops (areas of exposed bedrock examined in this study)

Thrust fault, teeth on upper plate

Overturned thrust fault, teeth show dip, bar on upper plate

This report is praiminary and has not been reviswed for conformity with U.S. Geological Survey editorial standards for with the North American Stratigraphic Code). Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Plates 1 and 2 are part A and the database is part B of this Open-Fils Report. Both parts are evallable from the Vermont Geological Survey, telephone (802) 241-3488.

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Digital Bedrock Geologic Map of the Andover Quadrangle, Vermont

by N.M. Ratcliffe¹ 1996

Explanation of Map Symbols

Strike and dip of inclined foliation on interpretive form-lines

Strike and dip of vertical foliation on interpretive form-lines

Brittle Features

Strike and dip of inclined joint

Strike and dip of vertical joint

Cleavage

Strike and dip of inclined cleavage

Strike and dip of vertical cleavage

Thrust Faults

Thrust fault, teeth on upper plate

Overturned thrust fault, teeth show dip, bar on upper plate

Quarries and Mines

t Talc

Active quarry

Inactive mine

Plates 1 and 2 are a paper representation of the digital bedrock geologic information for the Andover Quadrangle located in Windsor county, Vermont. All of the bedrock geology data were obtained from Ratcliffe (1996), and were digitally compiled on a personal computer system using PC ARC/INFO version 3.4D Plus by Environmental Systems Research Institute, Inc.. The data shown on Plate 1 were exported to ARC/INFO version 7.0 where solid color fill patterns were generated, and faults were drawn using symbols from a lineset (alcwrg.lin) from ALACARTE software (Fitzgibbon and Wentworth, 1991). The compilation procedures discussed in Walsh and others (1994) were used in the preparation of this report, with the exception of the topography. The topography was obtained from a photographic negative separate of contour lines from the Andover, VT (1971 edition) U.S.G.S. 7.5-minute topographic quadrangle. The negative was scanned on an IDEAL FSS 8000 raster-format scanner. The raster image was vectorized using GTX OSR Contour version 2.00 by GTX Corporation, Inc., and converted into an unattributed line coverage in ARC/INFO version 7.0.

These plates are derivative products and should not serve as the primary source for the complete geologic information for this area; the correct reference should be number 2 below:

1. Fitzgibbon, T.T., and Wentworth, C.M., 1991, ALACARTE user interface: AML code and demonstration maps, Version 1.0: U.S. Geological Survey Open-File Report 91-587.

2. Ratcliffe, N.M., 1996, Bedrock geologic map of the Andover Quadrangle, Windsor county, Vermont: U.S. Geological Survey Open-File Report 96-32, scale 1:24000.

3. Walsh, G.J., Ratcliffe, N.M., Dudley, J.B., and Merrifield, T., 1994, Digital bedrock geologic map of the Mount Holly and Ludlow quadrangles, Vermont: U.S. Geological Survey Open-File Report 94-229, scale 1:24000.



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